

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> cl scr
```

```
SQL> CREATE TABLE MBAStudent
  2  (
  3    StudentColl      STUDENT,
  4    Semester         VARCHAR2(10),
  5    SemStartDate     DATE,
  6    SemEndDate       DATE,
  7    Specialization   VARCHAR2(20)
  8  );
```

```
Table created.
```

```
SQL> DESC MBAStudent
Name
```

```
-----  
STUDENTCOLL  
SEMESTER  
SEMSTARTDATE  
SEMENDDATE  
SPECIALIZATION
```

	Null?	Type
STUDENTCOLL		STUDENT
SEMESTER		VARCHAR2(10)
SEMSTARTDATE		DATE
SEMENDDATE		DATE
SPECIALIZATION		VARCHAR2(20)

```
SQL> SET DESCRIBE DEPTH 2
SQL> DESC MBAStudent
Name
```

```
-----  
STUDENTCOLL  
STUDID  
SNAME  
DOB  
DOA  
FEES  
SEMESTER  
SEMSTARTDATE  
SEMENDDATE  
SPECIALIZATION
```

	Null?	Type
STUDENTCOLL		STUDENT
STUDID		NUMBER(6)
SNAME		VARCHAR2(20)
DOB		DATE
DOA		DATE
FEES		NUMBER(7,2)
SEMESTER		VARCHAR2(10)
SEMSTARTDATE		DATE
SEMENDDATE		DATE
SPECIALIZATION		VARCHAR2(20)

```
SQL> INSERT INTO MBAStudent
  2  VALUES
  3  (
  4    STUDENT
  5    (
  6      (
  7        1234,
  8        'SAMPATH',
  9        '10-DEC-85',
 10        SYSDATE,
 11        25000
 12  );
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
11      ),
12  'FIRST',
13  '25-JUL-07',
14  '25-OCT-07',
15  'MARKETING'
16 );
```

1 row created.

```
SQL> INSERT INTO MBAStudent
2  VALUES
3  (
4  STUDENT
5  (
6    1235,
7    'SRINIVAS',
8    NULL,
9    SYSDATE,
10   NULL
11  ),
12  'FIRST',
13  '25-JUL-07',
14  '25-OCT-07',
15  'MARKETING'
16 );
```

1 row created.

```
SQL> COMMIT;
```

Commit complete.

```
SQL> SELECT * FROM MBAStudent;
```

```
STUDENTCOLL(STUDID, SNAME, DOB, DOA, FEES)
```

```
-----  
SEMESTER SEMSTARTD SEMENDDAT SPECIALIZATION
```

```
-----  
STUDENT(1234, 'SAMPATH', '10-DEC-85', '07-APR-14', 25000)  
FIRST 25-JUL-07 25-OCT-07 MARKETING
```

```
-----  
STUDENT(1235, 'SRINIVAS', NULL, '07-APR-14', NULL)  
FIRST 25-JUL-07 25-OCT-07 MARKETING
```

```
SQL> COLUMN StudId FORMAT 9999
SQL> COLUMN SName FORMAT A10
SQL> COLUMN Fees FORMAT A6
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> COLUMN Fees FORMAT 99999
SQL> COLUMN Specialization FORMAT A10
SQL> COLUMN Semester FORMAT A6
SQL> SELECT
  2  E1.StudentColl.StudID StudId,
  3  E1.StudentColl.Sname Sname,
  4  E1.StudentColl.DOB DOB,
  5  E1.StudentColl.DOA DOA,
  6  E1.StudentColl.Fees Fees,
  7  E1.Semester Semester,
  8  E1.SemStartDate StartDate,
  9  E1.SemEndDate EndDate,
10  E1.Specialization Specialization
11  FROM
12  (
13  SELECT *
14  FROM MBASTudent
15  ) E1;
```

STUDID	SNAME	DOB	DOA	FEES	SEMEST	STARTDATE	ENDDATE
SPECIALIZA							
1234	SAMPATH	10-DEC-85	07-APR-14	25000	FIRST	25-JUL-07	25-OCT-07
MARKETING							
1235	SRINIVAS		07-APR-14		FIRST	25-JUL-07	25-OCT-07
MARKETING							

```
SQL> ED
Wrote file afiedt.buf

1  SELECT
2  E1.StudentColl.StudID StudId,
3  E1.StudentColl.Sname Sname,
4  E1.StudentColl.DOB DOB,
5  E1.StudentColl.DOA DOA,
6  E1.StudentColl.Fees Fees,
7  E1.Semester Semester,
8  E1.SemStartDate StartDate,
9  E1.SemEndDate EndDate,
10 E1.Specialization Specialization
11* FROM MBASTudent E1
SQL> /
```

STUDID	SNAME	DOB	DOA	FEES	SEMEST	STARTDATE	ENDDATE
SPECIALIZA							
SPECIALIZA							

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
-----  
1234 SAMPATH      10-DEC-85 07-APR-14  25000 FIRST   25-JUL-07 25-OCT-07  
MARKETING
```

```
1235 SRINIVAS          07-APR-14           FIRST   25-JUL-07 25-OCT-07  
MARKETING
```

```
SQL> COLUMN StudId FORMAT 9999  
SQL> COLUMN SName FORMAT A10  
SQL> COLUMN Fees FORMAT A6  
SQL> COLUMN Fees FORMAT 99999  
SQL> COLUMN Specialization FORMAT A10  
SQL> COLUMN Semester FORMAT A6  
SQL> COLUMN SemesterDays FORMAT 999  
SQL> COLUMN StudentAge FORMAT 999  
SQL> SELECT  
2 E1.StudentColl.StudID StudId,  
3 E1.StudentColl.Sname Sname,  
4 E1.StudentColl.DOB DOB,  
5 E1.StudentColl.DOA DOA,  
6 TRUNC(MONTHS_BETWEEN(E1.StudentColl.DOA, E1.StudentColl.DOB) / 12)  
StudentAge,  
7 E1.StudentColl.Fees Fees,  
8 E1.Semester Semester,  
9 E1.SemStartDate StartDate,  
10 E1.SemEndDate EndDate,  
11 TRUNC(E1.SemEndDate - E1.SemStartDate) SemesterDays,  
12 E1.Specialization Specialization  
13 FROM  
14 (  
15 SELECT *  
16 FROM MBASTudent  
17 ) E1;
```

STUDID	SNAME	DOB	DOA	STUDENTAGE	FEES	SEMEST	STARTDATE
1234	SAMPATH	10-DEC-85	07-APR-14	28	25000	FIRST	25-JUL-07
25-OCT-07			92	MARKETING			
1235	SRINIVAS		07-APR-14			FIRST	25-JUL-07
25-OCT-07			92	MARKETING			

```
SQL> UPDATE MBASTudent MBA  
2 SET MBA.Semester = 'SECOND'  
3 WHERE MBA.StudentColl.Sname = 'SAMPATH';
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
1 row updated.
```

```
SQL> ED
Wrote file afiedt.buf
```

```
1  SELECT
2    E1.StudentColl.StudID StudID,
3    E1.StudentColl.Sname Sname,
4    E1.StudentColl.DOB DOB,
5    E1.StudentColl.DOA DOA,
6    TRUNC(MONTHS_BETWEEN(E1.StudentColl.DOA,   E1.StudentColl.DOB) / 12)
StudentAge,
7    E1.StudentColl.Fees Fees,
8    E1.Semester Semester,
9    E1.SemStartDate StartDate,
10   E1.SemEndDate EndDate,
11   TRUNC(E1.SemEndDate - E1.SemStartDate) SemesterDays,
12   E1.Specialization Specialization
13  FROM
14    (
15      SELECT *
16      FROM MBASTudent
17*     ) E1
SQL> /
```

STUDID	SNAME	DOB	DOA	STUDENTAGE	FEES	SEMEST	STARTDATE	
ENDDATE	SEMESTERDAYS	SPECIALIZA						
1234	SAMPATH	10-DEC-85	07-APR-14		28	25000	SECOND	25-JUL-07
25-OCT-07		92	MARKETING					
1235	SRINIVAS		07-APR-14				FIRST	25-JUL-07
25-OCT-07		92	MARKETING					

```
SQL> ED
Wrote file afiedt.buf
```

```
1 UPDATE
2  (
3    SELECT *
4    FROM MBASTudent
5  ) MBA
6  SET MBA.Semester = 'SECOND'
7* WHERE MBA.StudentColl.Sname = 'SAMPATH'
SQL> /
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
1 row updated.  
  
SQL> DELETE MBASTudent MBA  
2 WHERE MBA.StudentColl.StudID = 1235;
```

```
1 row deleted.
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
1  DELETE  
2  (  
3  SELECT *  
4  FROM MBASTudent  
5  ) MBA  
6* WHERE MBA.StudentColl.StudID = 1235  
SQL> /
```

```
0 rows deleted.
```

```
SQL> DROP TABLE MBASTudent PURGE;
```

```
Table dropped.
```

```
SQL> cl scr
```

```
SQL> CREATE TABLE McaStudent  
2 OF Student;
```

```
Table created.
```

```
SQL> cl scr
```

```
SQL> DESC McaStudent  
Name Null? Type  
-----  
STUDID NUMBER(6)  
SNAME VARCHAR2(20)  
DOB DATE  
DOA DATE  
FEES NUMBER(7,2)
```

```
SQL> COL STUDID FORMAT 9999  
SQL> COL SNAME FORMAT A10  
SQL> COL FEES FORMAT 99999  
SQL> cl scr
```

```
SQL> ED
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

Wrote file afiedt.buf

```
1 BEGIN
2 INSERT INTO McaStudent
3 VALUES(1100, 'KUMAR', '07-Oct-80', SYSDATE, 15000);
4 INSERT INTO McaStudent
5 VALUES(1101, 'SESHU', '07-Oct-81', SYSDATE, 15000);
6 INSERT INTO McaStudent
7 VALUES(1102, 'RAMANA', '07-Oct-80', SYSDATE, 15000);
8 INSERT INTO McaStudent
9 VALUES(1103, 'RAMU', '07-Oct-82', SYSDATE, 15000);
10 INSERT INTO McaStudent
11 VALUES(1104, 'SRIPATH', '07-Oct-83', SYSDATE, 15000);
12 COMMIT;
13* END;
SQL> /
```

PL/SQL procedure successfully completed.

SQL> cl scr

SQL> SELECT * FROM MCAStudent;

STUDID	SNAME	DOB	DOA	FEES
1100	KUMAR	07-OCT-80	07-APR-14	15000
1101	SESHU	07-OCT-81	07-APR-14	15000
1102	RAMANA	07-OCT-80	07-APR-14	15000
1103	RAMU	07-OCT-82	07-APR-14	15000
1104	SRIPATH	07-OCT-83	07-APR-14	15000

SQL> SELECT ROWID, STUDID, SNAME, DOB, DOA, FEES
2 FROM MCAStudent;

ROWID	STUDID	SNAME	DOB	DOA	FEES
AAANOBAEAAAAAAAANAAA	1100	KUMAR	07-OCT-80	07-APR-14	15000
AAANOBAEAAAAAAAANAB	1101	SESHU	07-OCT-81	07-APR-14	15000
AAANOBAEAAAAAAAANAC	1102	RAMANA	07-OCT-80	07-APR-14	15000
AAANOBAEAAAAAAAANAD	1103	RAMU	07-OCT-82	07-APR-14	15000
AAANOBAEAAAAAAAANAE	1104	SRIPATH	07-OCT-83	07-APR-14	15000

SQL> SELECT REF(A) OID
2 FROM McaStudent A
3 WHERE SName = 'SESHU';

OID

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
0000280209007207273C584A19BC6707C045737CBFC4E369BE75454AE889E4E73ADD2E813  
8010000  
0D0001
```

```
SQL> SELECT REF(A) OID  
2 FROM McaStudent A;
```

```
OID
```

```
-----  
-----  
0000280209250482F82106458E9AD6E7B688729B13C4E369BE75454AE889E4E73ADD2E813  
8010000  
0D0000
```

```
0000280209007207273C584A19BC6707C045737CBFC4E369BE75454AE889E4E73ADD2E813  
8010000  
0D0001
```

```
00002802096BC598A0F7974DC6B431A97D421B9569C4E369BE75454AE889E4E73ADD2E813  
8010000  
0D0002
```

```
0000280209A05AE3E206894BAE94E69B9EED96783BC4E369BE75454AE889E4E73ADD2E813  
8010000  
0D0003
```

```
OID
```

```
-----  
-----  
0000280209BE2FB4276DD74EE888AAF4EDA00336E5C4E369BE75454AE889E4E73ADD2E813  
8010000  
0D0004
```

```
SQL> COL OID FORMAT A25  
SQL> SELECT Sname, REF(A) Oid  
2 FROM McaStudent A;
```

```
SNAME      OID
```

```
-----  
KUMAR      0000280209250482F82106458  
                         E9AD6E7B688729B13C4E369BE  
                         75454AE889E4E73ADD2E81380  
                         100000D0000
```

```
SESHU      0000280209007207273C584A1  
                         9BC6707C045737CBFC4E369BE
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
75454AE889E4E73ADD2E81380
100000D0001

RAMANA      00002802096BC598A0F7974DC

SNAME        OID
-----
6B431A97D421B9569C4E369BE
75454AE889E4E73ADD2E81380
100000D0002

RAMU         0000280209A05AE3E206894BA
E94E69B9EED96783BC4E369BE
75454AE889E4E73ADD2E81380
100000D0003

SRIPATH     0000280209BE2FB4276DD74EE
888AAF4EDA00336E5C4E369BE

SNAME        OID
-----
75454AE889E4E73ADD2E81380
100000D0004
```

```
SQL> ED
Wrote file afiedt.buf

 1  SELECT Sname, DREF(REF(A)), ObjInfo
 2* FROM McaStudent A
SQL> /
```

```
SNAME
-----
OBJINFO(STUDID, SNAME, DOB, DOA, FEES)
-----
KUMAR
STUDENT(1100, 'KUMAR', '07-OCT-80', '07-APR-14', 15000)

SESHU
STUDENT(1101, 'SESHU', '07-OCT-81', '07-APR-14', 15000)

RAMANA
STUDENT(1102, 'RAMANA', '07-OCT-80', '07-APR-14', 15000)
```

```
SNAME
-----
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
OBJINFO(STUDID, SNAME, DOB, DOA, FEES)
-----
-----
RAMU
STUDENT(1103, 'RAMU', '07-OCT-82', '07-APR-14', 15000)

SRIPATH
STUDENT(1104, 'SRIPATH', '07-OCT-83', '07-APR-14', 15000)
```

```
SQL> cl scr
```

```
SQL> CREATE TABLE StudentIncharges
  2  (
  3    InchargeName  VARCHAR2(30),
  4    StudentIncharge REF STUDENT
  5  );
```

```
Table created.
```

```
SQL> SET DESCRIBE DEPTH 1
SQL> DESC StudentIncharges
```

Name	Null?	Type
INCHARGENAME		VARCHAR2 (30)
STUDENTINCHARGE		REF OF STUDENT

```
SQL> SET DESCRIBE DEPTH 2
SQL> DESC StudentIncharges
```

Name	Null?	Type
INCHARGENAME		VARCHAR2 (30)
STUDENTINCHARGE		REF OF STUDENT
STUDID		NUMBER (6)
SNAME		VARCHAR2 (20)
DOB		DATE
DOA		DATE
FEES		NUMBER (7, 2)

```
SQL> COL InchargeName FORMAT A18
SQL> COL StudentIncharge FORMAT A25
SQL> SELECT
  2  'SUBRAMANYAM SHARMA' InchargeName
  3  FROM McaStudent A
  4  WHERE SName = 'SESHU';
```

```
INCHARGENAME
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SUBRAMANYAM SHARMA

```
SQL> SELECT  
2 REF(A) StudentIncharge  
3 FROM McaStudent A  
4 WHERE SName = 'SESHU';
```

STUDENTINCHARGE

```
-----  
0000280209007207273C584A1  
9BC6707C045737CBFC4E369BE  
75454AE889E4E73ADD2E81380  
100000D0001
```

```
SQL> SELECT  
2 'SUBRAMANYAM SHARMA' InchargeName,  
3 REF(A) StudentIncharge  
4 FROM McaStudent A  
5 WHERE SName = 'SESHU';
```

INCHARGENAME	STUDENTINCHARGE
SUBRAMANYAM SHARMA	0000280209007207273C584A1 9BC6707C045737CBFC4E369BE 75454AE889E4E73ADD2E81380 100000D0001

```
SQL> INSERT INTO  
2 StudentIncharges (InchargeName, StudentIncharge)  
3 SELECT  
4 'SUBRAMANYAM SHARMA' InchargeName,  
5 REF(A) StudentIncharge  
6 FROM McaStudent A  
7 WHERE SName = 'SESHU';
```

1 row created.

```
SQL> SELECT  
2 'SUBRAMANYAM SHARMA' InchargeName,  
3 REF(A) StudentIncharge  
4 FROM McaStudent A  
5 WHERE SName = 'SESHU';
```

INCHARGENAME	STUDENTINCHARGE
SUBRAMANYAM SHARMA	0000280209007207273C584A1

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
9BC6707C045737CBFC4E369BE  
75454AE889E4E73ADD2E81380  
100000D0001
```

```
SQL> SELECT * FROM StudentIncharges;
```

INCHARGENAME	STUDENTINCHARGE
SUBRAMANYAM SHARMA	0000220208007207273C584A1 9BC6707C045737CBFC4E369BE 75454AE889E4E73ADD2E8138

```
SQL> SELECT  
2 DEREF (X.StudentIncharge)  
3 FROM StudentIncharges X  
4 WHERE InchargeName = 'SUBRAMANYAM SHARMA';
```

```
DREF (X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)
```

```
-----  
STUDENT(1101, 'SESHU', '07-OCT-81', '07-APR-14', 15000)
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
1 SELECT  
2 Inchargename,  
3 DEREF (X.StudentIncharge)  
4 FROM StudentIncharges X  
5* WHERE InchargeName = 'SUBRAMANYAM SHARMA'  
SQL> /
```

INCHARGENAME
DREF (X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)

```
-----  
SUBRAMANYAM SHARMA  
STUDENT(1101, 'SESHU', '07-OCT-81', '07-APR-14', 15000)
```

```
SQL> ED  
Wrote file afiedt.buf
```

```
1 SELECT  
2 Inchargename,  
3 DEREF (X.StudentIncharge)
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
4* FROM StudentIncharges X  
SQL> /  
  
INCHARGENAME  
-----  
DREF(X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)  
-----  
SUBRAMANYAM SHARMA  
STUDENT(1101, 'SESHU', '07-OCT-81', '07-APR-14', 15000)
```

```
SQL> CREATE TABLE MBAStudent  
2 OF Student;
```

Table created.

```
SQL> CREATE TABLE MASTudent  
2 OF Student;
```

Table created.

```
SQL> CREATE TABLE MComStudent  
2 OF Student;
```

Table created.

```
SQL> BEGIN  
2 INSERT INTO MBAStudent  
3 VALUES(1200, 'SAMPATH', '10-DEC-85', SYSDATE, 25000);  
4 INSERT INTO MBAStudent  
5 VALUES(1201, 'SURESH', '10-DEC-80', SYSDATE, 25000);  
6 INSERT INTO MBAStudent  
7 VALUES(1202, 'RAJESH', '10-DEC-83', SYSDATE, 25000);  
8 INSERT INTO MASTudent  
9 VALUES(1300, 'BOBBY', '10-DEC-80', SYSDATE, 25000);  
10 INSERT INTO MASTudent  
11 VALUES(1301, 'SUNDER', '10-DEC-85', SYSDATE, 25000);  
12 INSERT INTO MComStudent  
13 VALUES(1400, 'RAMESH', '10-DEC-83', SYSDATE, 25000);  
14 COMMIT;  
15 END;  
16 /
```

PL/SQL procedure successfully completed.

```
SQL> cl scr
```

```
SQL> BEGIN
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
2 INSERT INTO StudentIncharges
3 SELECT
4 'SUBRAMANYAM SHARMA',
5 REF (A)
6 FROM McaStudent A
7 WHERE SName = 'RAMANA';
8 INSERT INTO StudentIncharges
9 SELECT
10 'SUBRAMANYAM SHARMA',
11 REF (A)
12 FROM McaStudent A
13 WHERE SName = 'SRIPATH';
14 INSERT INTO StudentIncharges
15 SELECT
16 'NIRANJAN RAMORI',
17 REF (A)
18 FROM McaStudent A
19 WHERE SName = 'KUMAR';
20 INSERT INTO StudentIncharges
21 SELECT
22 'NIRANJAN RAMORI',
23 REF (A)
24 FROM McaStudent A
25 WHERE SName = 'RAMU';
26 COMMIT;
27 END;
28 /
```

PL/SQL procedure successfully completed.

```
SQL> BEGIN
2 INSERT INTO StudentIncharges
3 SELECT
4 'SUBRAMANYAM SHARMA',
5 REF (A)
6 FROM MBAStudent A
7 WHERE SName = 'SAMPATH';
8 INSERT INTO StudentIncharges
9 SELECT
10 'SUBRAMANYAM SHARMA',
11 REF (A)
12 FROM MBAStudent A
13 WHERE SName = 'RAJESH';
14 INSERT INTO StudentIncharges
15 SELECT
16 'NIRANJAN RAMORI',
17 REF (A)
18 FROM MBAStudent A
19 WHERE SName = 'SURESH';
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
20 COMMIT;
21 END;
22 /
```

PL/SQL procedure successfully completed.

```
SQL> BEGIN
 2  INSERT INTO StudentIncharges
 3  SELECT
 4  'NIRANJAN RAMORI',
 5  REF (A)
 6  FROM MASTudent A
 7  WHERE SName = 'BOBBY';
 8  INSERT INTO StudentIncharges
 9  SELECT
10  'NIRANJAN RAMORI',
11  REF (A)
12  FROM MASTudent A
13  WHERE SName = 'SUNDER';
14  COMMIT;
15  END;
16  /
```

PL/SQL procedure successfully completed.

```
SQL> BEGIN
 2  INSERT INTO StudentIncharges
 3  SELECT
 4  'NIRANJAN RAMORI',
 5  REF (A)
 6  FROM MComStudent A
 7  WHERE SName = 'RAMESH';
 8  COMMIT;
 9  END;
10  /
```

PL/SQL procedure successfully completed.

```
SQL> SELECT * FROM StudentIncharges;
```

INCHARGENAME	STUDENTINCHARGE
SUBRAMANYAM SHARMA	0000220208007207273C584A1 9BC6707C045737CBFC4E369BE 75454AE889E4E73ADD2E8138
SUBRAMANYAM SHARMA	00002202086BC598A0F7974DC 6B431A97D421B9569C4E369BE 75454AE889E4E73ADD2E8138

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

SUBRAMANYAM SHARMA 0000220208BE2FB4276DD74EE
888AAF4EDA00336E5C4E369BE
75454AE889E4E73ADD2E8138

INCHARGENAME STUDENTINCHARGE

NIRANJAN RAMORI 0000220208250482F82106458
E9AD6E7B688729B13C4E369BE
75454AE889E4E73ADD2E8138

NIRANJAN RAMORI 0000220208A05AE3E206894BA
E94E69B9EED96783BC4E369BE
75454AE889E4E73ADD2E8138

SUBRAMANYAM SHARMA 00002202088BA5137BAC954CF
199BD065C0D7A61C102FDA3E6

INCHARGENAME STUDENTINCHARGE

00E74550875CB3DCFA13B556

SUBRAMANYAM SHARMA 0000220208975BD755E9D3471
BBC0A71283604084802FDA3E6
00E74550875CB3DCFA13B556

NIRANJAN RAMORI 0000220208ECE457E5D6234D5
38106A36E72F0B72902FDA3E6
00E74550875CB3DCFA13B556

NIRANJAN RAMORI 00002202080A1F8D834348428

INCHARGENAME STUDENTINCHARGE

1AC5EBE5F612A2E0A729DAE0E
C1C24ED78865124F5BA1C96B

NIRANJAN RAMORI 0000220208F5457B0787DF450
08AFA52805657C360729DAE0E
C1C24ED78865124F5BA1C96B

NIRANJAN RAMORI 0000220208FF884B137D3D4BB
88D4BD743A7843ECE110DFC92
B84146EE82A2D76178ABA9F5

11 rows selected.

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

```
SQL> SELECT
  2  InchargeName, DEREF(X.StudentIncharge)
  3  FROM StudentIncharges X;

INCHARGENAME
-----
Deref (X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)
-----
SUBRAMANYAM SHARMA
STUDENT(1101, 'SESHU', '07-OCT-81', '07-APR-14', 15000)

SUBRAMANYAM SHARMA
STUDENT(1102, 'RAMANA', '07-OCT-80', '07-APR-14', 15000)

SUBRAMANYAM SHARMA
STUDENT(1104, 'SRIPATH', '07-OCT-83', '07-APR-14', 15000)

INCHARGENAME
-----
Deref (X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)
-----
NIRANJAN RAMORI
STUDENT(1100, 'KUMAR', '07-OCT-80', '07-APR-14', 15000)

NIRANJAN RAMORI
STUDENT(1103, 'RAMU', '07-OCT-82', '07-APR-14', 15000)

SUBRAMANYAM SHARMA
STUDENT(1200, 'SAMPATH', '10-DEC-85', '07-APR-14', 25000)

INCHARGENAME
-----
Deref (X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)
-----
SUBRAMANYAM SHARMA
STUDENT(1202, 'RAJESH', '10-DEC-83', '07-APR-14', 25000)

NIRANJAN RAMORI
STUDENT(1201, 'SURESH', '10-DEC-80', '07-APR-14', 25000)

NIRANJAN RAMORI
STUDENT(1300, 'BOBBY', '10-DEC-80', '07-APR-14', 25000)
```

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038
Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix

Spool File For Oracle Students Trained by Mr.Sathish Yellanki

INCHARGENAME

DEREF (X.STUDENTINCHARGE) (STUDID, SNAME, DOB, DOA, FEES)

NIRANJAN RAMORI

STUDENT(1301, 'SUNDER', '10-DEC-85', '07-APR-14', 25000)

NIRANJAN RAMORI

STUDENT(1400, 'RAMESH', '10-DEC-83', '07-APR-14', 25000)

11 rows selected.

SQL> COL Incharge FORMAT A18

SQL> SELECT

```
2 InchargeName Incharge,
3 E1.Stu.StudId StudID,
4 E1.Stu.SName Sname,
5 E1.Stu.DOB DOB,
6 E1.Stu.DOA DOA,
7 E1.Stu.Fees Fees
8 FROM
9 (
10 SELECT
11 InchargeName, DEREF (X.StudentIncharge) Stu
12 FROM StudentIncharges X
13 ) E1;
```

INCHARGE	STUDID	SNAME	DOB	DOA	FEES
SUBRAMANYAM SHARMA	1101	SESHU	07-OCT-81	07-APR-14	15000
SUBRAMANYAM SHARMA	1102	RAMANA	07-OCT-80	07-APR-14	15000
SUBRAMANYAM SHARMA	1104	SRIPATH	07-OCT-83	07-APR-14	15000
NIRANJAN RAMORI	1100	KUMAR	07-OCT-80	07-APR-14	15000
NIRANJAN RAMORI	1103	RAMU	07-OCT-82	07-APR-14	15000
SUBRAMANYAM SHARMA	1200	SAMPATH	10-DEC-85	07-APR-14	25000
SUBRAMANYAM SHARMA	1202	RAJESH	10-DEC-83	07-APR-14	25000
NIRANJAN RAMORI	1201	SURESH	10-DEC-80	07-APR-14	25000
NIRANJAN RAMORI	1300	BOBBY	10-DEC-80	07-APR-14	25000
NIRANJAN RAMORI	1301	SUNDER	10-DEC-85	07-APR-14	25000
NIRANJAN RAMORI	1400	RAMESH	10-DEC-83	07-APR-14	25000

11 rows selected.

SQL> SPOOL OFF

SkyEss Techno Solutions Pvt. Ltd.

Flat No. 201, II Floor, Abhilash Towers, BK Guda, Hyderabad – 500 038

Ph No. +9140 23710047, 64640047, Mobile: 9985798869

Contact For Courses And Training in

Oracle Developer Suite 10g(D2K), Oracle Apps R12, Live Projects in SQL and PL/SQL, Data Modeling, Linux/Unix